FIG.1

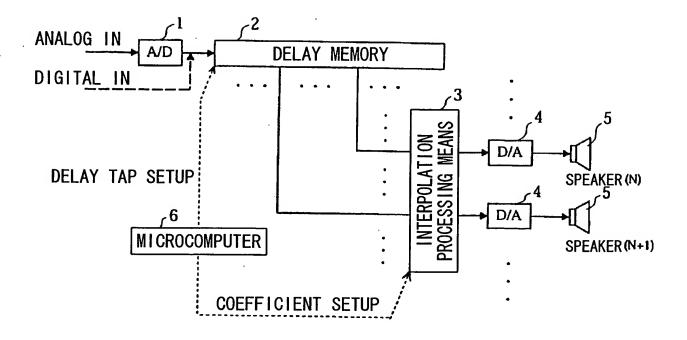


FIG.2

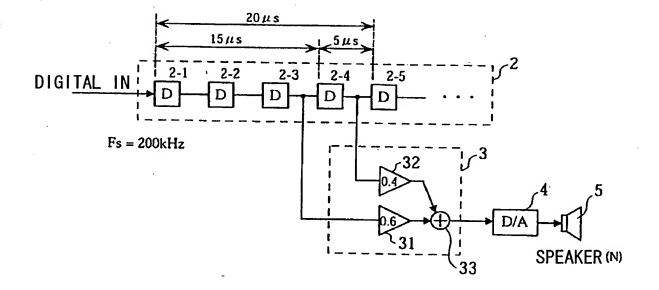


FIG.3

## FREQUENCY CHARACTERISTICS OF LINEAR INTERPOLATION

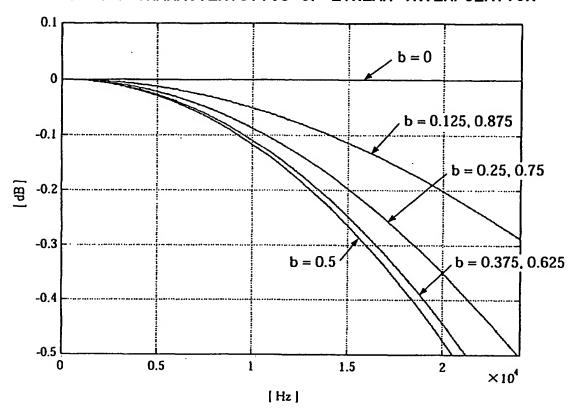


FIG.4

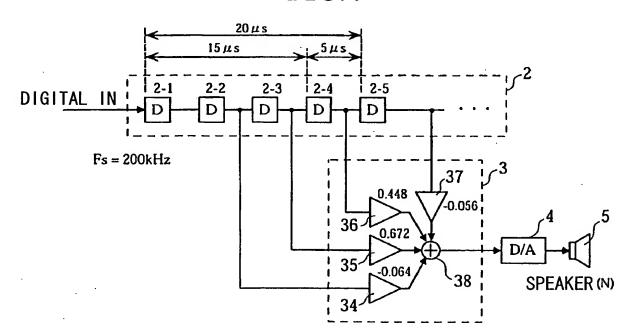
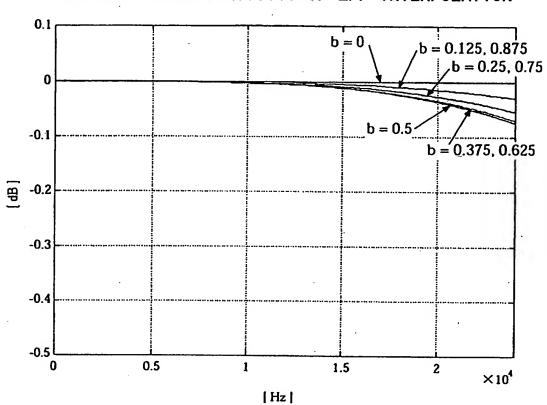


FIG.5

## FREQUENCY CHARACTERISTICS OF LPF INTERPOLATION



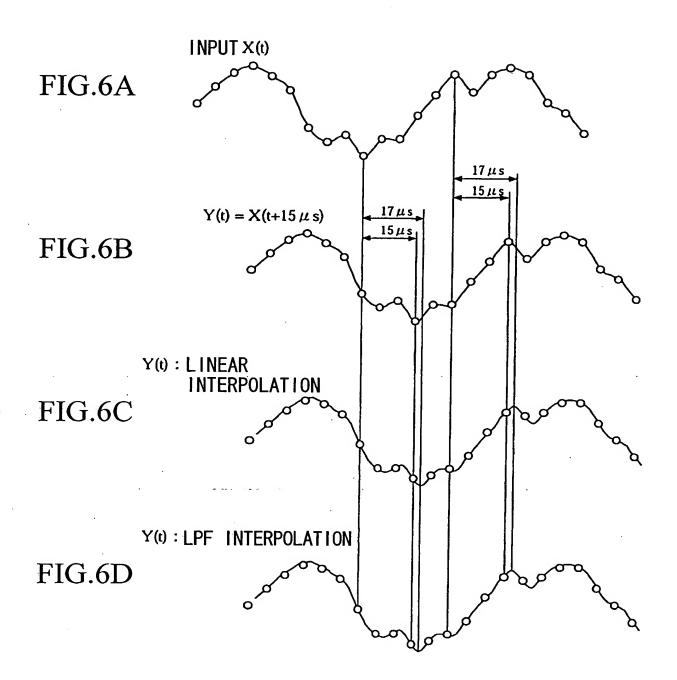


FIG.7

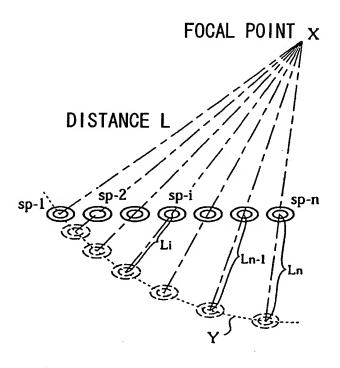


FIG.8

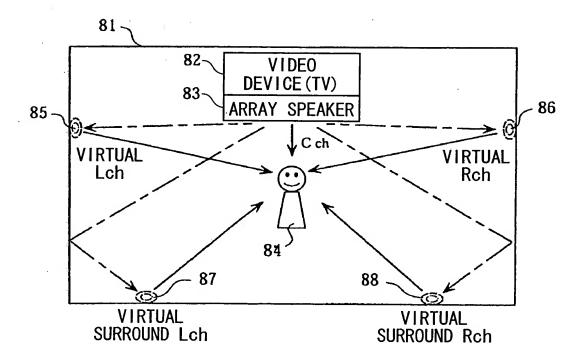
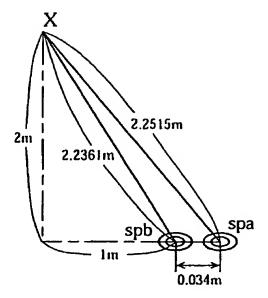
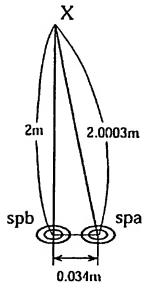


FIG.9A



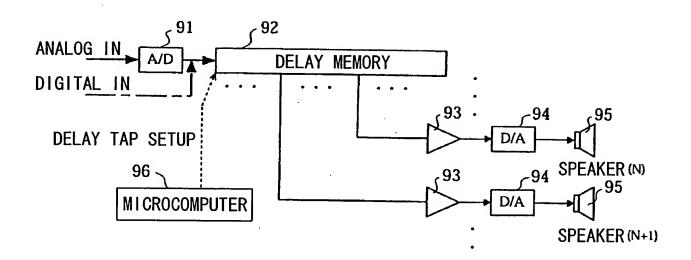
DELAY DIFFERENCE=  $0.0154m \div 340 \text{m/s} = 45 \mu \text{ s}$ 

## FIG.9B



DELAY DIFFERENCE=  $0.0003m \div 340m/s = 0.9 \mu$ 

**FIG.10** 



## FIG.11

